

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary) JAN 04 2002	US Dept. of Commerce Patent and Trademark Office	ATTORNEY DOCKET NO. 510 CIP	SERIAL NO. 09/954,831
		APPLICANT Thomas H. Baum, et al.	
		FILING DATE September 18, 2001	GROUP 2811 1621

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	PATENT NUMBER	TRADEMARK OFFICE ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA 6,159,855	12/12/00	B. Vaartstra	438	681	
	AB 6,013,553	1/11/00	R. Wallace, et al.	438	287	
	AC 5,820,678	10/13/98	Hubert, et al.	118	690	
	AD 5,204,314	4/20/93	Peter S. Kirlin, et al.	505	1	
	AE 5,536,323	7/16/96	Peter S. Kirlin, et al.	118	726	
	AF 09/114,133 6,399,208	6/4/02	Thomas H. Baum, et al.	428	446	10/7/99
	AG 6,015,917	1/18/2000	G. Bhandari, et al.	556	12	
	AH 5,972,430	10/26/99	Frank DiMeo, Jr.	427	255.32	
	AI 5,919,522	7/6/99	Thomas H. Baum, et al.	427	248.1	
	AJ 6,110,529	8/28/2000	Robin A. Gardiner, et al.	427	250	
	AK 5,820,664	10/13/98	Robin A. Gardiner, et al.	106	287.17	
	AL 5,536,323	7/16/96	Peter S. Kirlin, et al.	395	2,35	
	AM 07/927,134		Peter S. Kirlin, et al.			8/7/92
	AN 5,453,494	9/26/95	Peter S. Kirlin, et al.	534	15	
	AO 5,280,012	1/18/94	Peter S. Kirlin, et al.	505	1	
	AP 07/615,303		Duncan W. Brown			11/19/90
	AQ 5,225,561	7/6/93	Peter S. Kirlin, et al.	546	256	
	AR 07/549,389		Peter S. Kirlin, et al.			7/6/90
	AS 5,876,503	3/2/99	Jeffrey F. Roeder et al.	118	715	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION YES	NO
						X (abstract only)	

OTHER DOCUMENTS (Including Author, Title, Journal-Date, Page Number, Etc.)

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EXAMINER <i>Sherrie Nazario Gonzales</i>	DATE CONSIDERED <i>February 20, 2004</i>
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<i>JAN 04 2002</i>				FILING DATE September 18, 2001		GROUP <i>TBA 1621</i>	
US PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	TRADEMARK	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BA	5,976,991	12/2/99	R. Laxman, et al.	438	786	
	BB	6,177,135	1/23/01	Frank S. Hintermaier, et al.	427	255.31	
	BC	4,895,709	1/23/90	Richard M. Laine	423	344	
	BD	5,139,825	8/18/92	Gordon, et al.	427	255.2	
	BE	5,003,092	3/26/91	Orville T. Beachley, Jr.	556	1	
	BF	5,178,911	1/12/93	Roy G. Gordon, et al.	427	255.2	
	BG	6,060,406	5/9/00	Glen B. Alers, et al.	438	785	
	BH	5,924,012	7/13/99	Brian A. Vaartstra	438	681	
	BI	6,020,243	2/1/00	Robert M Wallace, et al.	438	287	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION YES NO
							X (abstract only)
OTHER DOCUMENTS (Including Author, Title, Journal-Date, Page Number, Etc.)							
	BJ	Jones, et al., "MOCVD of Zirconia Thin Films by Direct Liquid Injection Using a New Class of Zirconium Precursor", Chem. Vap. Dep., Vol. 4, 1998, pp. 46-49.					
	BK	D.C. Bradley, et al., "Metalorganic Compounds Containing Metal-Nitrogen Bonds: Part I, Some Dialkylamino Derivatives of Titanium and Zirconium", J. Chem. Soc., 1960, 3857).					
	BL	D.C. Bradley, et al., "Metalorganic Compounds Containing Metal-Nitrogen Bonds: Part III. Dialkylamino Compounds of Tantalum", Canadian J. Chem., 40, 1355 (1962)					
	BM	S. Giles, et al., "Deposition of (Ti,Al)N thin films by organometallic chemical vapor deposition: thermodynamic predictions and experimental results", Elsevier Science, SA, Surface and Coatings Technology, 94-95 (1997), pgs. 285-290.					
	BN	Kozoh Sugiyama, et al., "Low Temperature Deposition of Metal Nitrides by Thermal Decomposition of Organometallic Compounds", Journal of the Electrochemical Society, Vol. 122, No. 11, Nov. 1975					
	BO	R. Juza, et al., "Ammonothermal Synthesis of Magnesium and Beryllium Amides", Angew. Chem. Inte. Ed., 5, (2), 247 (1966).					
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EXAMINER	<i>Sofia Mayaris Gonzalez</i>			DATE CONSIDERED <i>February 20, 2004</i>			
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ATMI-510-CIP	09/954,831
APPLICANT	
Thomas H. Baum, et al.	
FILING DATE	GROUP
September 18, 2001	284 1621

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,252,518	10/12/1993	Samdhu, et al.	437	200	
	AB	5,424,095	6/13/1995	Clark, et al.	427	237	
	AC	5,593,741A	1/14/1997	Ikeda	427	579	

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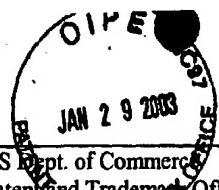
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION YES	NO
							X (abstract only)	
	AD	JP 06-80413A	3/22/1994	Japan			X	

OTHER DOCUMENTS (Including Author, Title, Journal-Date, Page Number, Etc.)

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EXAMINER <i>Joyline Nazario Gonzales</i>	DATE CONSIDERED <i>February 20, 2004</i>
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,417,823	5/1995	Narula, et al.	204	157.40	
	AB	5,583,205	12/1996	Rees, Jr., William S.	534	15	
	AC	5,726,294	3/1998	Rees, Jr., William S.	534	15	
	AD	6,348,412 B1	2/2002	Vaartstra, Brian A.	438	681	

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	AE	WO/00/67300	11/2000	WIPO	H01L	21/00		

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EXAMINER <i>Sylvia Nazari Gonzales</i>	DATE CONSIDERED <i>February 20, 2004</i>
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